MEMORANDUM

Date: November 29, 2007

TO: Joanne LaBaw, Task Monitor, Environmental Protection Agency (EPA), Seattle, WA, Mail Stop ECL-112

FROM: Renee Nordeen, START-3 Project Leader, Ecology and Environment, Inc. (E & E), Seattle, WA

SUBJECT: Proposed Sampling Approach
Bremerton Gasworks Targeted Brownfields Assessment (TBA)
Bremerton, Washington

REF: Contract Number EP-S7-06-02
Technical Direction Document Number (TDD): 07-01-0008

cc: Bryce Robbert, START-3 Protégé, White Shield, Inc. (WSI), Bellevue, WA

The Environmental Protection Agency EPA Task Monitor (TM) tasked the Superfund Technical Assistance and Response Team (START) to conduct a Targeted Brownfields Assessment at the Bremerton Gasworks Properties, which are located on two parcels of land, the McConkey property owned by Trip McConkey and the Sesko property owned by Natasha Sesko. The properties are located adjacent to each other along the shores of Port Washington Narrows. Both sites are located in the city of Bremerton, Washington.

On February 1, 2007 the START conducted a site visit with the City of Bremerton, City of Bremerton's contractors, Geoengineers, Inc., Parametrix, and the site owner. The City of Bremerton hosted a meeting at the Public Works and Utilities Building with above mentioned participants except the site owner, and EPA Task Manager Joanne LaBaw. A tentative work schedule was agreed upon, with Geoengineers installing 8 monitoring wells (MW-1 through MW-8) and creating a report detailing contamination found on-site during the monitoring well drilling. This report was completed on September 10, 2007 and is titled, *"Preliminary Upland Assessment Report, McConkey/Sesko Site, Bremerton, Washington."*

This report revealed the presence of subsurface soil and groundwater contamination. Contaminants in both groundwater and soil were primarily petroleum-related. This contamination was present at some locations to depths of 30 feet below ground surface (bgs). The START plans to collect up to 86 soil samples to delineate the extent of contamination on site and to assess whether or not contamination is migrating to Port Washington Narrows. Specific locations and the proposed analytical suite are discussed below.

Proposed Sampling Approach

Based on the site visit observations, conversations with current property owners, *Preliminary Upland Assessment Report, McConkey/Sesko Site, Bremerton, Washington*, and a file review, the following sampling strategy is proposed (see attached figure for specific locations):

Subsurface Samples:
Due to the extensive contamination found during the initial investigation, the START proposes nine borehole sampling locations on the McConkey/Sesko properties. These locations are MP01 through MP06 on the McConkey property and SP01 through SP03 on the Sesko property. Up to nine subsurface soil samples will be collected from each borehole at four foot intervals. Boreholes will be advanced using a Geoprobe™ up to 36 feet bgs, to bedrock or to refusal; whichever is encountered first. Boreholes will be placed at the following locations:

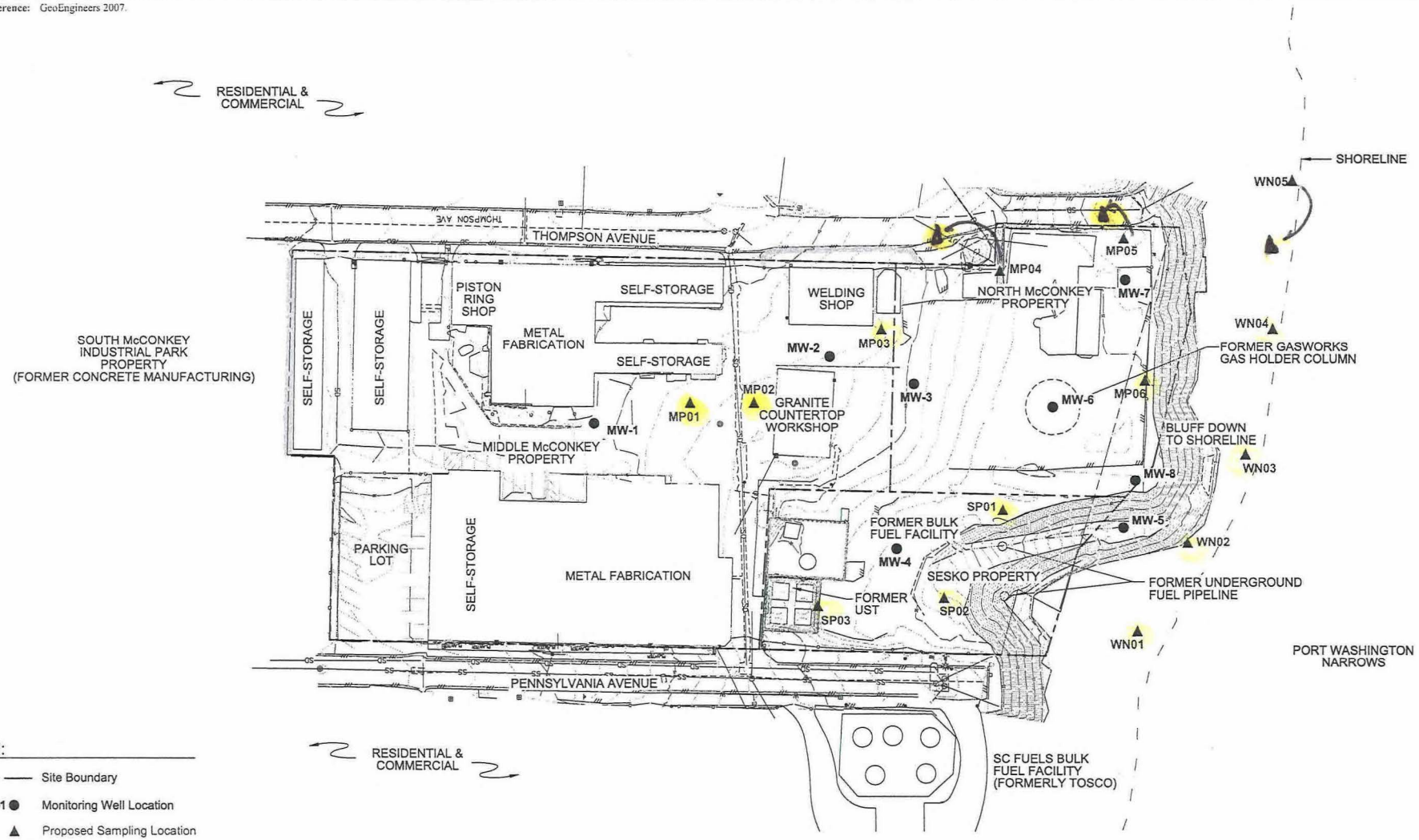
- MP01 - MP03 will be located downgradient of previously sampled locations that where found to be contaminated on the McConkey property to determine whether this contamination is migrating;
- MP04 – MP06 will be located in areas not previously sampled on the McConkey property to determine whether contamination exists in these areas; and
- SP01 - SP03 will be located downgradient or in close proximity to areas previously used to store petroleum products on the Sesko property.

All subsurface samples will be submitted for Northwest total petroleum hydrocarbons analysis for gasoline and diesel range chemicals (NWTPH-Gx/Dx), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and Target Analyte List (TAL) metals.

Sediment Samples:
Five boreholes will be placed along the shoreline of Port Washington Narrows. These locations are WN01 through WN05. One subsurface sediment samples will be collected from each borehole. Boreholes will be advanced using a hand auger or Geoprobe to 4 foot bgs or to refusal; whichever is encountered first. The sample will cover the 4 foot interval between the ground surface and 4 feet bgs. These samples will be collected to determine whether site contamination extends to the Port Washington Narrows. All sediment samples will be submitted for NWTPH-Gx/Dx, VOCs, SVOCs, and TAL metals.

If you have any additional questions regarding this memorandum or its assumptions, please contact me at 206-624-9537.

Base Map Reference: GeoEngineers 2007.



ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

0 70 140
Approximate Scale in Feet

BREMERTON GASWORKS
Bremerton, Washington

Figure 1
PROPOSED SAMPLING LOCATIONS

Date:	Drawn by:	
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